

SDG FA46145



CAPE ENVIRONMENTAL MANAGEMENT INC
404 E. Ramsey, Suite 206
SAN ANTONIO, TX 78216

FA 46145

CHAIN-OF-CUSTODY RECORD

(If no box checked use routine)
 Routine
 Urgent
 EMERGENCY

Chain of Custody Number T030GL02			Project Manager (Print) (b) (6)				CAPE Project Manager (Print) (b) (6)				Laboratory SGS Accutest					
Contractor CAPE			Project Name Corrective Action at Fort Bliss				Sampler's Name (Print) Seth Moorehead				Laboratory Contract Number					
ERPIMS Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Site(s) Oro Grande Landfill				(b) (6)				ANALYSES REQUESTED					
Sample Number LNNNNNNNNN	Station Number LLNNNNNNNN	Sample Type (E-21) See VVL	Sample Matrix (E-17) See VVL	Sample Method (E-23) See VVL	Begin Depth NN.N	End Depth NN.N	Date dd mmmm yy 07/24/17	Time 24 HR NNNN	Field Lot Number NNNL	Number of Contain. N	Asbestos	PCP	TCDFULL	VGOSGRD	V9260TCDF	See Notes
1 T030GL-WC01	TB-1	WQ	NA	NA	1A	07/24/17	1600	000A	4				X	X		
2 T030GL-WC01	N-1	SO	SS	6-5	7-5	07/24/17	1540	000A	6	X	X	X	X	X		
3 T030GL-WC02	N-1	SO	SS	4-5	5-5	07/24/17	1620	000A	6	X	X	X	X	X		
4 T030GL-WC03	N-1	SO	SS	2-5	9-0	07/24/17	1645	000A	6	X	X	X	X	X		
					--	--										
					--	--										
					--	--										
					--	--										
(b) (6)			Date/Time 07/24/17 1830	Received By (Signature) <i>Fx</i>				Date/Time 07-26-17	PROTOCOL (circle one) HAZWRAP <input checked="" type="radio"/> EPA OTHER QC LEVEL (circle one)							
<i>Fx</i>			Date/Time 07-26-17	Received By (Signature) <i>J. CORTE (ALSE)</i>				Date/Time 07-26-17	FOR LABORATORY USE ONLY CONDITIONS OF SAMPLES UPON RECEIPT							
Relinquished By (Signature)			Date/Time 07-26-17	Received By (Signature)				Date/Time 07-26-17	CHAIN OF CUSTODY Y N ICE							
									REQUEST FOR ANAL Y N TEMP							
									CUSTODY SEAL Y N pH							
Sample Shipped Via (circle one): UPS <input checked="" type="radio"/> FED-EX AIRBORNE BUS HAND OTHER					Waybill Number:				SAMPLE CONDITION <i>3.8</i>							
REMARKS (Notes): 1) 2) Run the MATRIX SPIKE / MATRIX SPIKE DUPLICATE on:																

FA46145: Chain of Custody

Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: FA46145	Client: CAPE	Project: CORRECTIVE ACTION
Date / Time Received: 7/26/2017 9:15:00 AM	Delivery Method: FX	Airbill #'s: 811306952258
Therm ID: IR 1; Therm CF: 0.4; # of Coolers: 1 Cooler Temps (Raw Measured) °C: Cooler 1: (3.4); Cooler Temps (Corrected) °C: Cooler 1: (3.8);		

Cooler Information		Y or N	Sample Information	Y or N	N/A
1. Custody Seals Present		<input checked="" type="checkbox"/> <input type="checkbox"/>	1. Sample labels present on bottles	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Custody Seals Intact		<input checked="" type="checkbox"/> <input type="checkbox"/>	2. Samples preserved properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Temp criteria achieved		<input checked="" type="checkbox"/> <input type="checkbox"/>	3. Sufficient volume/containers recvd for analysis:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Cooler temp verification		IR Gun	4. Condition of sample	Intact	
5. Cooler media		Ice (Bag)	5. Sample recvd within HT	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip Blank Information		Y or N	N/A	6. Dates/Times/IDs on COC match Sample Label	<input checked="" type="checkbox"/>
1. Trip Blank present / cooler		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		7. VOCs have headspace	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
2. Trip Blank listed on COC		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		8. Bottles received for unspecified tests	<input type="checkbox"/> <input checked="" type="checkbox"/>
		W or S	N/A	9. Compositing instructions clear	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
3. Type Of TB Received		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		10. Voa Soil Kits/Jars received past 48hrs?	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
				11. % Solids Jar received?	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
				12. Residual Chlorine Present?	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>

Misc. Information					
Number of Encores: 25-Gram		5-Gram		Number of 5035 Field Kits:	4
Test Strip Lot #:	pH 0-3	230315		Number of Lab Filtered Metals:	
Residual Chlorine Test Strip Lot #:			pH 10-12 219813A		
Comments					

SM001
Rev. Date 05/24/17 Technician: (b) (6) Date: 7/26/2017 9:15:00 AM Reviewer: P.H Date: 7/26/2017

FA46145: Chain of Custody

Page 2 of 2

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC-TB01
Lab Sample ID: FA46145-1
Matrix: SO - Trip Blank Soil
Method: SW846 8260B
Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0123017.D	1	07/28/17 12:06	EP	n/a	n/a	VC4871
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

VOA TCLP List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
71-43-2	Benzene	2.0 UJ	2.0 U	5.0	2.0	1.2	ug/kg
78-93-3	2-Butanone (MEK)	15 UJ	15 U	25	15	7.3	ug/kg
56-23-5	Carbon Tetrachloride	2.0 UJ	2.0 U	5.0	2.0	1.0	ug/kg
108-90-7	Chlorobenzene	2.0 U	5.0	2.0	1.0	ug/kg	
67-66-3	Chloroform	2.0 U	5.0	2.0	1.3	ug/kg	
106-46-7	1,4-Dichlorobenzene	2.0 U	5.0	2.0	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	2.0 U	5.0	2.0	1.0	ug/kg	
75-35-4	1,1-Dichloroethylene	2.0 U	5.0	2.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	2.0 U	5.0	2.0	1.3	ug/kg	
79-01-6	Trichloroethylene	2.0 U	5.0	2.0	1.0	ug/kg	
75-01-4	Vinyl Chloride	2.0 U	5.0	2.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		75-124%
17060-07-0	1,2-Dichloroethane-D4	112%		72-135%
2037-26-5	Toluene-D8	93%		75-126%
460-00-4	4-Bromofluorobenzene	100%		71-133%

(a) Soil vials were not received within 48 hours of sampling; results are considered minimum values.

(b) (6)

U = Not detected LOD = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC-TB01

Lab Sample ID: FA46145-1

Date Sampled: 07/24/17

Matrix: SO - Trip Blank Soil

Date Received: 07/26/17

Method: SW846 8015C

Percent Solids: n/a

Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV080491.D	1	07/29/17 07:26	AJC	n/a	n/a	GUV4262
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
	TPH-GRO (C6-C10)	2.5 U	2.5 U	5.0	2.5	2.5	mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		56-149%
98-08-8	aaa-Trifluorotoluene	93%		66-132%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

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(b) (6)

SGS Accutest

Report of Analysis

Page 1 of 1

4.2

4

Client Sample ID: T030GL-WC01
Lab Sample ID: FA46145-2
Matrix: SO - Soil
Method: SW846 8260B SW846 1311
Project: Oro Grande, Fort Bliss, TX

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 M97784.D	10	07/28/17 17:25	WV	07/27/17 09:30	OP66160	VM4196
Run #2						

Purge Volume
Run #1 5.0 ml
Run #2

VOA TCLP List**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
71-43-2	Benzene	0.0153	D018	0.50	0.010	0.0050	0.0031	mg/l	
78-93-3	2-Butanone (MEK)	0.035 U	D035	200	0.050	0.035	0.020	mg/l	
56-23-5	Carbon Tetrachloride	0.0050 U	D019	0.50	0.010	0.0050	0.0036	mg/l	
108-90-7	Chlorobenzene	0.0050 U	D021	100	0.010	0.0050	0.0020	mg/l	
67-66-3	Chloroform	0.0050 U	D022	6.0	0.010	0.0050	0.0030	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0050 U	D027	7.5	0.010	0.0050	0.0026	mg/l	
107-06-2	1,2-Dichloroethane	0.0050 U	D028	0.50	0.010	0.0050	0.0031	mg/l	
75-35-4	1,1-Dichloroethylene	0.0050 U	D029	0.70	0.010	0.0050	0.0032	mg/l	
127-18-4	Tetrachloroethylene	0.0050 U	D039	0.70	0.010	0.0050	0.0022	mg/l	
79-01-6	Trichloroethylene	0.0050 U	D040	0.50	0.010	0.0050	0.0035	mg/l	
75-01-4	Vinyl Chloride	0.0050 U	D043	0.20	0.010	0.0050	0.0041	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

(b) (6)

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N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

4.2

4

Client Sample ID:	T030GL-WC01	Date Sampled:	07/24/17
Lab Sample ID:	FA46145-2	Date Received:	07/26/17
Matrix:	SO - Soil	Percent Solids:	97.6
Method:	SW846 8270D SW846 3510C		
Project:	Oro Grande, Fort Bliss, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D2076.D	1	08/04/17 22:38	NG	07/29/17 08:15	OP66197	S4D81
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP List**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
95-48-7	2-Methylphenol ^a	0.010UJ	D023	200	0.050	0.010	0.0056	mg/l	
	3&4-Methylphenol ^a	0.020UJ	D024	200	0.050	0.020	0.0098	mg/l	
87-86-5	Pentachlorophenol ^b	0.1UJ	D037	100	0.25	0.10	0.050	mg/l	
95-95-4	2,4,5-Trichlorophenol	0.020UJ	D041	400	0.050	0.020	0.0074	mg/l	
88-06-2	2,4,6-Trichlorophenol	0.020UJ	D042	2.0	0.050	0.020	0.0075	mg/l	
106-46-7	1,4-Dichlorobenzene	0.020U	D027	7.5	0.050	0.020	0.0050	mg/l	
121-14-2	2,4-Dinitrotoluene	0.010U	D030	0.13	0.050	0.010	0.0081	mg/l	
118-74-1	Hexachlorobenzene		D032	0.13	0.050	0.010	0.0069	mg/l	
87-68-3	Hexachlorobutadiene		D033	0.50	0.050	0.010	0.0050	mg/l	
67-72-1	Hexachloroethane	0.020U	D034	3.0	0.050	0.020	0.016	mg/l	
98-95-3	Nitrobenzene	0.020U	D036	2.0	0.050	0.020	0.0093	mg/l	
110-86-1	Pyridine	0.035U	D038	5.0	0.10	0.035	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	25%		14-67%
4165-62-2	Phenol-d5	16%		10-50%
118-79-6	2,4,6-Tribromophenol	72%		33-118%
4165-60-0	Nitrobenzene-d5	63%		42-108%
321-60-8	2-Fluorobiphenyl	66%		40-106%
1718-51-0	Terphenyl-d14	82%		39-121%

(a) Associated MS/MSD recovery or RPD outside control limits.

(b) Associated BS recovery outside control limits.

(b) (6)

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261.7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

4.2

4

Client Sample ID:	T030GL-WC01	Date Sampled:	07/24/17
Lab Sample ID:	FA46145-2	Date Received:	07/26/17
Matrix:	SO - Soil	Percent Solids:	97.6
Method:	SW846 8015C		
Project:	Oro Grande, Fort Bliss, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV080492.D	1	07/29/17 07:56	AJC	n/a	n/a	GUV4262
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.96 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
	TPH-GRO (C6-C10)	2.2 U	2.2 U	4.4	2.2	2.2	mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		56-149%
98-08-8	aaa-Trifluorotoluene	93%		66-132%

U = Not detected LOQ = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

(b) (6)

SGS Accutest

Report of Analysis

Page 1 of 1

4.2

4

Client Sample ID: T030GL-WC01
Lab Sample ID: FA46145-2
Matrix: SO - Soil
Method: SW846 8151A SW846 3510C
Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC055214.D	1	08/03/17 15:25	MG	07/29/17 12:30	OP66199	GCC1169
Run #2							

	Initial Volume	Final Volume
Run #1	10.0 ml	5.0 ml
Run #2		

Herbicide TCLP Leachate**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
94-75-7	2,4-D	0.025 UJ	0.025 U	D016	10	0.050	0.025	0.017	mg/l
93-72-1	2,4,5-TP (Silvex)	0.0025 U	0.0025 U	D017	1.0	0.0050	0.0025	0.0013	mg/l

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	45%		39-135%

(b) (6)

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SGS Accutest

Report of Analysis

Page 1 of 1

4.2

4

Client Sample ID: T030GL-WC01
Lab Sample ID: FA46145-2
Matrix: SO - Soil
Method: SW846 8081B SW846 3510C
Project: Oro Grande, Fort Bliss, TX

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 KK85107.D	1	08/02/17 21:15	KL	07/29/17 10:00	OP66198	GKK2709
Run #2						

	Initial Volume	Final Volume
Run #1	100 ml	5.0 ml
Run #2		

Pesticide TCLP Leachate**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
58-89-9	gamma-BHC (Lindane)	0.000050 U	0.000050 U	D013	0.40	0.00010	0.0000500	0.000022mg/l	
12789-03-6	Chlordane	0.00050 U	0.00050 U	D020	0.030	0.0010	0.000050	0.00038 mg/l	
72-20-8	Endrin	0.000050 U	0.000050 U	D012	0.020	0.00020	0.0000500	0.000021mg/l	
76-44-8	Heptachlor	0.000050 U	0.000050 U	D031	0.0080	0.00010	0.0000500	0.000026mg/l	
1024-57-3	Heptachlor epoxide	0.000050 U	0.000050 U	D031	0.0080	0.00010	0.0000500	0.000020mg/l	
72-43-5	Methoxychlor	0.00010 U	0.00010 U	D014	10	0.00020	0.00010	0.000050mg/l	
8001-35-2	Toxaphene	0.0038 U	0.0038 U	D015	0.50	0.0050	0.0038	0.0021 mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		42-127%
2051-24-3	Decachlorobiphenyl	103%		27-127%

(b) (6)

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MCL = Maximum Contamination Level (40 CFR 261.7/1/11) B = Indicates analyte found in associated method blank
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SGS Accutest

Report of Analysis

Page 1 of 1

4.2

4

Client Sample ID:	T030GL-WC01	Date Sampled:	07/24/17
Lab Sample ID:	FA46145-2	Date Received:	07/26/17
Matrix:	SO - Soil	Percent Solids:	97.6
Method:	SW846 8082A SW846 3546		
Project:	Oro Grande, Fort Bliss, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MM43953.D	1	07/27/17 20:51	NJ	07/27/17 07:30	OP66167	GMM840
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
12674-11-2	Aroclor 1016	11 U	11 U	16	11	ug/kg	
11104-28-2	Aroclor 1221	11 U	11 U	16	11	ug/kg	
11141-16-5	Aroclor 1232	11 U	11 U	16	11	ug/kg	
53469-21-9	Aroclor 1242	11 U	11 U	16	11	ug/kg	
12672-29-6	Aroclor 1248	11 U	11 U	16	11	ug/kg	
11097-69-1	Aroclor 1254	16 U	16 U	16	16	ug/kg	
11096-82-5	Aroclor 1260	16 U	16 U	16	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		44-126%
2051-24-3	Decachlorobiphenyl	56%		41-145%

(b) (6)

U = Not detected LOD = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

4.2
4

Client Sample ID: T030GL-WC01
Lab Sample ID: FA46145-2
Matrix: SO - Soil
Method: SW846 8015C SW846 3546
Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ016067.D	1	08/05/17 23:59	SJL	07/27/17 08:00	OP66168	GJJ684
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
	TPH (C10-C28)	12.0 J	12.0	5.0	3.8	2.5	mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		56-122%

U = Not detected LOD = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
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(b) (6)

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC01
Lab Sample ID: FA46145-2
Matrix: SO - Soil
Project: Oro Grande, Fort Bliss, TX

Date Sampled: 07/24/17
Date Received: 07/26/17
Percent Solids: 97.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.050 U	D004	5.0	0.10	0.050	0.013	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Barium	0.057 J	D005	100	2.0	0.050	0.050	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Cadmium	0.010 U	D006	0.10	0.050	0.010	0.0020	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Chromium	0.050 U	D007	5.0	0.10	0.050	0.010	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Lead	0.016 J	D008	5.0	0.050	0.020	0.011	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Mercury	0.00056 J	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	07/31/17	07/31/17 JL	SW846 7470A 2
Selenium	0.050 U	D010	1.0	0.10	0.050	0.029	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Silver	0.020 U	D011	5.0	0.10	0.020	0.0070	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1

- (1) Instrument QC Batch: MA14256
- (2) Instrument QC Batch: MA14259
- (3) Prep QC Batch: MP32514
- (4) Prep QC Batch: MP32517

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

(b) (6)

Report of Analysis

Page 1 of 1

4.2
4

Client Sample ID:	T030GL-WC01	Date Sampled:	07/24/17
Lab Sample ID:	FA46145-2	Date Received:	07/26/17
Matrix:	SO - Soil	Percent Solids:	97.6
Project:	Oro Grande, Fort Bliss, TX		

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Corrosivity as pH	8.3	8.3			su	1	08/04/17 19:30	ZC	SW846 CHAP7
Cyanide Reactivity	0.76 U	0.76 U	1.5	0.76 ^a	0.76	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) ^b	> 200	> 200			Deg. F	1	08/08/17 19:00	KH	SW846 1010
Solids, Percent	97.6	97.6			%	1	07/27/17 17:36	CH	SM19 2540G
Sulfide Reactivity	51 U	51 U	51	51 ^a	51	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7

(a) Value reported is laboratory DL (MDL).

(b) Not ignitable.

(b) (6)

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

Page 1 of 1

4.3
4

Client Sample ID:	T030GL-WC02	Date Sampled:	07/24/17
Lab Sample ID:	FA46145-3	Date Received:	07/26/17
Matrix:	SO - Soil	Percent Solids:	89.0
Method:	SW846 8260B SW846 1311		
Project:	Oro Grande, Fort Bliss, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M97785.D	10	07/28/17 17:50	WV	07/27/17 09:30	OP66160	VM4196
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA TCLP List**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
71-43-2	Benzene	0.0050U	D018	0.50	0.010	0.0050	0.0031	mg/l	
78-93-3	2-Butanone (MEK)	0.035U	D035	200	0.050	0.035	0.020	mg/l	
56-23-5	Carbon Tetrachloride	0.0050U	D019	0.50	0.010	0.0050	0.0036	mg/l	
108-90-7	Chlorobenzene	0.0050 U	D021	100	0.010	0.0050	0.0020	mg/l	
67-66-3	Chloroform	0.0050 U	D022	6.0	0.010	0.0050	0.0030	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0050 U	D027	7.5	0.010	0.0050	0.0026	mg/l	
107-06-2	1,2-Dichloroethane	0.0050 U	D028	0.50	0.010	0.0050	0.0031	mg/l	
75-35-4	1,1-Dichloroethylene	0.0050 U	D029	0.70	0.010	0.0050	0.0032	mg/l	
127-18-4	Tetrachloroethylene	0.0050 U	D039	0.70	0.010	0.0050	0.0022	mg/l	
79-01-6	Trichloroethylene	0.0050 U	D040	0.50	0.010	0.0050	0.0035	mg/l	
75-01-4	Vinyl Chloride	0.0050 U	D043	0.20	0.010	0.0050	0.0041	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	108%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(b) (6)

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261.7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID:	T030GL-WC02	Date Sampled:	07/24/17
Lab Sample ID:	FA46145-3	Date Received:	07/26/17
Matrix:	SO - Soil	Percent Solids:	89.0
Method:	SW846 8270D SW846 3510C		
Project:	Oro Grande, Fort Bliss, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D2079.D	1	08/05/17 00:01	NG	07/29/17 08:15	OP66197	S4D81
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP List**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
95-48-7	2-Methylphenol	0.010UJ	D023	200	0.050	0.010	0.0056	mg/l	
	3&4-Methylphenol	0.020UJ	D024	200	0.050	0.020	0.0098	mg/l	
87-86-5	Pentachlorophenol ^a	0.10UJ	D037	100	0.25	0.10	0.050	mg/l	
95-95-4	2,4,5-Trichloropheno	0.020UJ	D041	400	0.050	0.020	0.0074	mg/l	
88-06-2	2,4,6-Trichloropheno	0.020UJ	D042	2.0	0.050	0.020	0.0075	mg/l	
106-46-7	1,4-Dichlorobenzene	0.020U	D027	7.5	0.050	0.020	0.0050	mg/l	
121-14-2	2,4-Dinitrotoluene	0.010U	D030	0.13	0.050	0.010	0.0081	mg/l	
118-74-1	Hexachlorobenzene	0.010U	D032	0.13	0.050	0.010	0.0069	mg/l	
87-68-3	Hexachlorobutadiene	0.010U	D033	0.50	0.050	0.010	0.0050	mg/l	
67-72-1	Hexachloroethane	0.020U	D034	3.0	0.050	0.020	0.016	mg/l	
98-95-3	Nitrobenzene	0.020U	D036	2.0	0.050	0.020	0.0093	mg/l	
110-86-1	Pyridine	0.035U	D038	5.0	0.10	0.035	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	24%		14-67%
4165-62-2	Phenol-d5	15%		10-50%
118-79-6	2,4,6-Tribromophenol	79%		33-118%
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	83%		39-121%

(a) Associated BS recovery outside control limits.

(b) (6)

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261.7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

4.3
4

Client Sample ID:	T030GL-WC02	Date Sampled:	07/24/17
Lab Sample ID:	FA46145-3	Date Received:	07/26/17
Matrix:	SO - Soil	Percent Solids:	89.0
Method:	SW846 8015C		
Project:	Oro Grande, Fort Bliss, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV080493.D	1	07/29/17 08:25	AJC	n/a	n/a	GUV4262
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.76 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
	TPH-GRO (C6-C10)	2.7 U	2.7 U	5.5	2.7	2.7	mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		56-149%
98-08-8	aaa-Trifluorotoluene	93%		66-132%

U = Not detected LOQ = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

(b) (6)

SGS Accutest

Report of Analysis

Page 1 of 1

4.3
4

Client Sample ID: T030GL-WC02
Lab Sample ID: FA46145-3
Matrix: SO - Soil
Method: SW846 8151A SW846 3510C
Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC055219.D	1	08/03/17 16:45	MG	07/29/17 12:30	OP66199	GCC1169
Run #2							

	Initial Volume	Final Volume
Run #1	10.0 ml	5.0 ml
Run #2		

Herbicide TCLP Leachate**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
94-75-7	2,4-D	0.025 UJ	0.025 UJ	D016	10	0.050	0.025	0.017	mg/l
93-72-1	2,4,5-TP (Silvex)	0.0025 U	0.0025 UJ	D017	1.0	0.0050	0.0025	0.0013	mg/l

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	48%		39-135%

(b) (6)

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261.7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC02
Lab Sample ID: FA46145-3
Matrix: SO - Soil
Method: SW846 8081B SW846 3510C
Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK85110.D	1	08/02/17 22:06	KL	07/29/17 10:00	OP66198	GKK2709
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	5.0 ml
Run #2		

Pesticide TCLP Leachate**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
58-89-9	gamma-BHC (Lindane)	0.000050 U	0.000050 U	D013	0.40	0.00010	0.0000500.000022mg/l		
12789-03-6	Chlordane	0.00050 U	0.00050 U	D020	0.030	0.0010	0.000050 0.00038 mg/l		
72-20-8	Endrin	0.000050 U	0.000050 U	D012	0.020	0.00020	0.0000500.000021mg/l		
76-44-8	Heptachlor		0.000050 U	D031	0.0080	0.00010	0.0000500.000026mg/l		
1024-57-3	Heptachlor epoxide		0.000050 U	D031	0.0080	0.00010	0.0000500.000020mg/l		
72-43-5	Methoxychlor	0.00010 U	0.00010 U	D014	10	0.00020	0.00010 0.000050mg/l		
8001-35-2	Toxaphene	0.0038 U	0.0038 U	D015	0.50	0.0050	0.0038 0.0021 mg/l		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		42-127%
2051-24-3	Decachlorobiphenyl	97%		27-127%

(b) (6)

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261.7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

4.3
4

Client Sample ID: T030GL-WC02
Lab Sample ID: FA46145-3
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MM43954.D	1	07/27/17 21:02	NJ	07/27/17 07:30	OP66167	GMM840
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
12674-11-2	Aroclor 1016	13 U	13 U	18	13	7.3	ug/kg
11104-28-2	Aroclor 1221	13 U	13 U	18	13	9.2	ug/kg
11141-16-5	Aroclor 1232	13 U	13 U	18	13	9.2	ug/kg
53469-21-9	Aroclor 1242	13 U	13 U	18	13	7.3	ug/kg
12672-29-6	Aroclor 1248	13 U	13 U	18	13	7.3	ug/kg
11097-69-1	Aroclor 1254	13 U	13 U	18	13	7.3	ug/kg
11096-82-5	Aroclor 1260	13 U	13 U	18	13	7.3	ug/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		44-126%
2051-24-3	Decachlorobiphenyl	55%		41-145%

(b) (6)

U = Not detected LOD = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC02
Lab Sample ID: FA46145-3
Matrix: SO - Soil
Method: SW846 8015C SW846 3546
Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ016068.D	1	08/06/17 00:27	SJL	07/27/17 08:00	OP66168	GJJ684
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
	TPH (C10-C28)	14.2 J	14.2	5.6	4.2	2.8	mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	104%		56-122%

U = Not detected LOD = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

(b) (6)

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC02
Lab Sample ID: FA46145-3
Matrix: SO - Soil
Project: Oro Grande, Fort Bliss, TX

Date Sampled: 07/24/17
Date Received: 07/26/17
Percent Solids: 89.0

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method
Arsenic 0.050 U	0.050 U	D004	5.0	0.10	0.050	0.013	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Barium 0.40 J	0.40 J	D005	100	2.0	0.050	0.050	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Cadmium 0.010 U	0.010 U	D006	1.0	0.050	0.010	0.0020	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Chromium 0.050 U	0.050 U	D007	5.0	0.10	0.050	0.010	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Lead 0.77	0.77	D008	5.0	0.050	0.020	0.011	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Mercury 0.00059 J	0.00059 J	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	07/31/17	07/31/17 JL	SW846 7470A 2
Selenium 0.050 U	0.050 U	D010	1.0	0.10	0.050	0.029	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Silver 0.020 U	0.020 U	D011	5.0	0.10	0.020	0.0070	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1

- (1) Instrument QC Batch: MA14256
- (2) Instrument QC Batch: MA14259
- (3) Prep QC Batch: MP32514
- (4) Prep QC Batch: MP32517

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

(b) (6)

Report of Analysis

Page 1 of 1

Client Sample ID:	T030GL-WC02	Date Sampled:	07/24/17
Lab Sample ID:	FA46145-3	Date Received:	07/26/17
Matrix:	SO - Soil	Percent Solids:	89.0
Project:	Oro Grande, Fort Bliss, TX		

43
4**General Chemistry**

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.7	7.7			su	1	08/04/17 19:30	ZC	SW846 CHAP7
Cyanide Reactivity	0.84 U	0.84 U	1.7	0.84 ^a	0.84	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) ^b	> 200	> 200			Deg. F	1	08/08/17 19:00	KH	SW846 1010
Solids, Percent	89	89			%	1	07/27/17 17:36	CH	SM19 2540G
Sulfide Reactivity	56 U	56 U	56	56 ^a	56	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7

(a) Value reported is laboratory DL (MDL).

(b) Not ignitable.

(b) (6)

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD

LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC03
Lab Sample ID: FA46145-4
Matrix: SO - Soil
Method: SW846 8260B SW846 1311
Project: Oro Grande, Fort Bliss, TX

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 M97786.D	10	07/28/17 18:13	WV	07/27/17 09:30	OP66160	VM4196
Run #2						

Purge Volume
Run #1 5.0 ml
Run #2

VOA TCLP List**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
71-43-2	Benzene	0.0050 U	D018	0.50	0.010	0.0050	0.0031	mg/l	
78-93-3	2-Butanone (MEK)	0.035 U	D035	200	0.050	0.035	0.020	mg/l	
56-23-5	Carbon Tetrachloride	0.0050 U	D019	0.50	0.010	0.0050	0.0036	mg/l	
108-90-7	Chlorobenzene	0.0050 U	D021	100	0.010	0.0050	0.0020	mg/l	
67-66-3	Chloroform	0.0050 U	D022	6.0	0.010	0.0050	0.0030	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0050 U	D027	7.5	0.010	0.0050	0.0026	mg/l	
107-06-2	1,2-Dichloroethane	0.0010 U	D028	0.50	0.010	0.0050	0.0031	mg/l	
75-35-4	1,1-Dichloroethylene	0.0050 U	D029	0.70	0.010	0.0050	0.0032	mg/l	
127-18-4	Tetrachloroethylene	0.0346	D039	0.70	0.010	0.0050	0.0022	mg/l	
79-01-6	Trichloroethylene	0.0050 U	D040	0.50	0.010	0.0050	0.0035	mg/l	
75-01-4	Vinyl Chloride	0.0050 U	D043	0.20	0.010	0.0050	0.0041	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	108%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

(b) (6)

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261.7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID:	T030GL-WC03	Date Sampled:	07/24/17
Lab Sample ID:	FA46145-4	Date Received:	07/26/17
Matrix:	SO - Soil	Percent Solids:	87.5
Method:	SW846 8270D SW846 3510C		
Project:	Oro Grande, Fort Bliss, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D2080.D	1	08/05/17 00:28	NG	07/29/17 08:15	OP66197	S4D81
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP List**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
95-48-7	2-Methylphenol	0.010UJ	D023	200	0.050	0.010	0.0056	mg/l	
	3&4-Methylphenol	0.020UJ	D024	200	0.050	0.020	0.0098	mg/l	
87-86-5	Pentachlorophenol	a0.10UJ	D037	100	0.25	0.10	0.050	mg/l	
95-95-4	2,4,5-Trichlorophenol	0.020UJ	D041	400	0.050	0.020	0.0074	mg/l	
88-06-2	2,4,6-Trichlorophenol	0.020UJ	D042	2.0	0.050	0.020	0.0075	mg/l	
106-46-7	1,4-Dichlorobenzene	0.020U	D027	7.5	0.050	0.020	0.0050	mg/l	
121-14-2	2,4-Dinitrotoluene	0.010U	D030	0.13	0.050	0.010	0.0081	mg/l	
118-74-1	Hexachlorobenzene	0.010U	D032	0.13	0.050	0.010	0.0069	mg/l	
87-68-3	Hexachlorobutadiene	0.010U	D033	0.50	0.050	0.010	0.0050	mg/l	
67-72-1	Hexachloroethane	0.020U	D034	3.0	0.050	0.020	0.016	mg/l	
98-95-3	Nitrobenzene	0.020U	D036	2.0	0.050	0.020	0.0093	mg/l	
110-86-1	Pyridine	0.035U	D038	5.0	0.10	0.035	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-67%
4165-62-2	Phenol-d5	19%		10-50%
118-79-6	2,4,6-Tribromophenol	86%		33-118%
4165-60-0	Nitrobenzene-d5	81%		42-108%
321-60-8	2-Fluorobiphenyl	84%		40-106%
1718-51-0	Terphenyl-d14	89%		39-121%

(a) Associated BS recovery outside control limits.

(b) (6)

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261.7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC03

Lab Sample ID: FA46145-4

Date Sampled: 07/24/17

Matrix: SO - Soil

Date Received: 07/26/17

Method: SW846 8015C

Percent Solids: 87.5

Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV080494.D	1	07/29/17 08:55	AJC	n/a	n/a	GUV4262
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.58 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
	TPH-GRO (C6-C10)	2.9 U	2.9 U	5.8	2.9	2.9	mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		56-149%
98-08-8	aaa-Trifluorotoluene	94%		66-132%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

(b) (6)

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC03
Lab Sample ID: FA46145-4
Matrix: SO - Soil
Method: SW846 8151A SW846 3510C
Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC055252.D	1	08/08/17 13:03	MG	07/29/17 12:30	OP66199	GCC1170
Run #2							

	Initial Volume	Final Volume
Run #1	10.0 ml	5.0 ml
Run #2		

Herbicide TCLP Leachate**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
94-75-7	2,4-D	0.025 UJ	0.025 U	D016	10	0.050	0.025	0.017	mg/l
93-72-1	2,4,5-TP (Silvex)	0.0025 U	0.0025 U	D017	1.0	0.0050	0.0025	0.0013	mg/l

CAS No. **Surrogate Recoveries** **Run# 1** **Run# 2** **Limits**

19719-28-9	2,4-DCAA	41%	39-135%
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(b) (6)

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MCL = Maximum Contamination Level (40 CFR 261.7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC03
Lab Sample ID: FA46145-4
Matrix: SO - Soil
Method: SW846 8081B SW846 3510C
Project: Oro Grande, Fort Bliss, TX

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 KK85111.D	1	08/02/17 22:24	KL	07/29/17 10:00	OP66198	GKK2709
Run #2						

	Initial Volume	Final Volume
Run #1	100 ml	5.0 ml
Run #2		

Pesticide TCLP Leachate**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	LOQ	LOD	DL	Units	Q
58-89-9	gamma-BHC (Lindane)	0.000050 U	0000050 U	D013	0.40	0.00010	0.0000500.000022mg/l		
12789-03-6	Chlordane	0.00050 U	0.00050 U	D020	0.030	0.0010	0.000050 0.00038 mg/l		
72-20-8	Endrin	0.000050 U	0.000050 U	D012	0.020	0.00020	0.0000500.000021mg/l		
76-44-8	Heptachlor	0.000050 U	D031	0.0080	0.00010	0.0000500.000026mg/l			
1024-57-3	Heptachlor epoxide	0.000050 U	D031	0.0080	0.00010	0.0000500.000020mg/l			
72-43-5	Methoxychlor	0.00010 U	D014	10	0.00020	0.00010	0.000050mg/l		
8001-35-2	Toxaphene	0.0038 U	D015	0.50	0.0050	0.0038	0.0021 mg/l		

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		42-127%
2051-24-3	Decachlorobiphenyl	103%		27-127%

(b) (6)

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MCL = Maximum Contamination Level (40 CFR 261.7/1/11) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC03
Lab Sample ID: FA46145-4
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MM43955.D	1	07/27/17 21:14	NJ	07/27/17 07:30	OP66167	GMM840
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
12674-11-2	Aroclor 1016	13 U	13 U	19	13	7.6	ug/kg
11104-28-2	Aroclor 1221	13 U	13 U	19	13	9.5	ug/kg
11141-16-5	Aroclor 1232	13 U	13 U	19	13	9.5	ug/kg
53469-21-9	Aroclor 1242	13 U	13 U	19	13	7.6	ug/kg
12672-29-6	Aroclor 1248	13 U	13 U	19	13	7.6	ug/kg
11097-69-1	Aroclor 1254	13 U	13 U	19	13	7.6	ug/kg
11096-82-5	Aroclor 1260	13 U	13 U	19	13	7.6	ug/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		44-126%
2051-24-3	Decachlorobiphenyl	52%		41-145%

(b) (6)

U = Not detected LOD = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC03
Lab Sample ID: FA46145-4
Matrix: SO - Soil
Method: SW846 8015C SW846 3546
Project: Oro Grande, Fort Bliss, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ016069.D	1	08/06/17 00:56	SJL	07/27/17 08:00	OP66168	GJJ684
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
	TPH (C10-C28)	5.81 J	5.81	5.6	4.2	2.8	mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	106%		56-122%

U = Not detected LOD = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

(b) (6)

Report of Analysis

Page 1 of 1

Client Sample ID: T030GL-WC03
Lab Sample ID: FA46145-4
Matrix: SO - Soil
Project: Oro Grande, Fort Bliss, TX

Date Sampled: 07/24/17
Date Received: 07/26/17
Percent Solids: 87.5

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.050 U	D004	5.0	0.10	0.050	0.013	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Barium	0.63 J	D005	100	2.0	0.050	0.050	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Cadmium	0.010U 0.010 U	D006	1.0	0.050	0.010	0.0020	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Chromium	0.050U 0.050 U	D007	5.0	0.10	0.050	0.010	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Lead	0.020 U 0.020 U	D008	5.0	0.050	0.020	0.011	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Mercury	0.00055J 0.00055 J	D009	0.20	0.0050	0.0010	0.00050	mg/l	1	07/31/17	07/31/17 JL	SW846 7470A 2
Selenium	0.050U 0.050 U	D010	1.0	0.10	0.050	0.029	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1
Silver	0.020U 0.020 U	D011	5.0	0.10	0.020	0.0070	mg/l	1	07/28/17	07/28/17 LM	SW846 6010C 1

- (1) Instrument QC Batch: MA14256
- (2) Instrument QC Batch: MA14259
- (3) Prep QC Batch: MP32514
- (4) Prep QC Batch: MP32517

(b) (6)

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Page 1 of 1

Client Sample ID:	T030GL-WC03	Date Sampled:	07/24/17
Lab Sample ID:	FA46145-4	Date Received:	07/26/17
Matrix:	SO - Soil	Percent Solids:	87.5
Project:	Oro Grande, Fort Bliss, TX		

44

4

General Chemistry

Analyte	Result	LOQ	LOD	DL	Units	DF	Analyzed	By	Method
Corrosivity as pH	8.0	8.0			su	1	08/04/17 19:30	ZC	SW846 CHAP7
Cyanide Reactivity	0.85 U	0.85 U	1.7	0.85 ^a	0.85	mg/kg	1	08/02/17 16:05	KH SW846 CHAP7
Ignitability (Flashpoint) ^b	> 200	> 200			Deg. F	1	08/08/17 19:00	KH	SW846 1010
Solids, Percent	87.5	87.5			%	1	07/27/17 17:36	CH	SM19 2540G
Sulfide Reactivity	57 U	57 U	57	57 ^a	57	mg/kg	1	07/28/17 10:52	CH SW846 CHAP7

(a) Value reported is laboratory DL (MDL).

(b) Not ignitable.

(b) (6)

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ



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Customer ID: ACCT51B

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Project ID:

Attention: Andrea Colby

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Fax: (407) 425-0707

Received Date: 07/27/2017 11:15 AM

Analysis Date: 08/09/2017

Collected Date: 07/24/2017

Project: FA46145X

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
2X 341706797-0001	T030GL-WC01	Red Non-Fibrous Homogeneous		20% Quartz 10% Ca Carbonate 70% Non-fibrous (Other)	None Detected
3X 341706797-0002	T030GL-WC02	Brown Non-Fibrous Homogeneous		25% Quartz 10% Ca Carbonate 65% Non-fibrous (Other)	None Detected
4X 341706797-0003	T030GL-WC03	Brown Non-Fibrous Homogeneous		25% Quartz 10% Ca Carbonate 65% Non-fibrous (Other)	None Detected

(b) (6)

Analyst(s)

Jessica Lopez (3)

or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from: 08/10/2017 08:51:07

ASB_PLM_0008_0001 - 1.78 Printed: 8/10/2017 8:51 AM

(b) (6)

Page 1 of 1